

LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A nickel-base heat resistant cast alloy, which consists of, by weight %, C: 0.10-0.50%, Si: [[up to]] ~~0.06~~-1.0%, Mn: [[up to]] ~~0.04~~-1.0%, Cr: 5.9-10.0%, Al: 2.0-8.0%, Co: up to 15.0%, W: 8.0-16.0%, Ta: 2.0-8.0%, Ti: up to 3.0%, Zr: 0.001-0.200% and B: 0.005-0.300% and the balance of Ni and inevitable impurities, provided that, [%Al]+[%Ti]+[%Ta], by atomic %, amounts to 12.0-15.5%, that it contains γ/γ' -eutectoid of, by area percentage, 1-15%, that it contains carbides of, by area percentage, 1-10%, and that the "M-value" defined by the formula below (in which % is atomic %) is in the range of 93-98:

$$M = 0.717[\%Ni] + 1.142[\%Cr] + 2.271[\%Ti] + 1.9[\%Al] + 2.117[\%Nb] + 1.55[\%Mo] + 0.777[\%Co] + 3.02[\%Hf] + 2.224[\%Ta] + 1.655[\%W] + 2.994[\%Zr].$$

2. (Canceled)

3. (Original) The nickel-base heat resistant cast alloy according to claim 1, wherein the contents of the impurities are regulated to be up to the following respective upper limits: Fe: 5.0%, Mo: 1.0%, Cu: 0.3%, P: 0.03%, S: 0.03% and V: 1.0%.

4. (Currently amended) A nickel-base heat resistant cast alloy which consists of, by weight %, C: 0.10-0.50%, Si: [[up to]] 0.06-1.0%, Mn: [[up to]] 0.04-1.0%, Cr: 5.9-10.0%, Al: 2.0-8.0%, Co: up to 15.0%, W: 8.0-16.0%, Ta: 2.0-8.0%, Ti: up to 3.0%, Zr: 0.001-0.200%, B: 0.005-0.300%; at least one from the group consisting of Mg: up to 0.01%, and REM: up to 0.1%; and the balance of Ni and inevitable impurities, provided that, [%Al]+[%Ti]+[%Ta], by atomic %, amounts to 12.0-15.5%, that it contains γ/γ' -eutectoid of, by area percentage, 1-15%, that it contains carbides of, by area percentage, 1-10%, and that the "M-value" defined by the formula below (in which % is atomic %) is in the range of 93-98:

$$M=0.717[\%Ni]+1.142[\%Cr]+2.271[\%Ti]+1.9[\%Al]+2.117[\%Nb]+1.55[\%Mo]+0.777[\%Co]+3.02[\%Hf]+2.224[\%Ta]+1.655[\%W]+2.994[\%Zr],$$

wherein the contents of the impurities are regulated to be up to the following respective upper limits: Fe: 5.0%, Mo: 1.0%, Cu: 0.3%, P: 0.03%, S: 0.03% and V: 1.0%.

5. (Previously presented) A turbine wheel for automobile engines made of the nickel-base heat resistant cast alloy according to claim 1.

6. (Canceled)

7. (Previously presented) A turbine wheel for automobile engines made of the nickel-base heat resistant cast alloy according to claim 3.

8. (Previously presented) A turbine wheel for automobile engines made of the nickel-base heat resistant cast alloy according to claim 4.